

HE GOOSE FLIGHT—A TRUE SPECTACULAR



Virtually a cloud of geese rise from the water at Forneys Lake.

Jack Kirstein Photo

The Opening Event of the Warm Weather Months!

Denny Rehder

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ost of us look with a jaundiced eye at anything labeled spectacular. nesting grounds in Canada and the Arctic. entertainment industries have worked the word to a point of non usage.

erect; these are things we may call spectacular.

is month brings another spectacular to lowa-the spring goose t. The northern migration of geese through the Iowa southwest well be one of the world's leading wildlife spectacles. Accustomed e are during the hunting season to think of geese in terms of 1e hundreds of thousands.

seese often fail to illustrate the magnitude of the sight. And the flying into the front ranks to get first chance at the waste corn. d-that muted roar of a half-million birds calling and flapping wings-may never be captured.

le geese are predominately blues and snows with white-fronts and idas accompanying. They begin the flight from their Gulf Coast

wintering grounds, hurrying up the Missouri Valley north to their

They are so anxious to move north, that the weather often slows their progress. When they reach southwest Iowa, weather conditions t many of us are inclined to think in terms of the spectacular to the north are usually adverse. Since there is an abundance of food we think of the natural world. The sight of a summer storm in this area, the birds stay there waiting for better weather. More ng its thunderheads in the west; a beautiful sunset seen from an birds keep piling in from the south, until the concentrations reach ook at Waubonsie State Park; a deer bounding away, its white major proportions. This is when the word goes out and people start flocking to see the sight.

Where to See It

How do you go about finding the geese and observing the flight? A good starting place is Forneys Lake just northwest of Thurman. or twenties, in the spring we find an influx of birds numbering There are usually good concentrations of geese there and other observers can tell you about nearby locations with geese. On a typical day veral thousand Iowans may journey to southwest Iowa every year you might notice large flocks along the roads working last year's ^{3e} the goose flight. But, when they take the story home, words cornfields. Sometimes it looks like an advancing army with the flock usually inadequate to describe what they saw. Photographs of blanketing the width of the field. The birds to the rear are constantly

The sky will echo the call of the wavy lines of geese flying in from the south or returning from a venture to the north.

At Forneys you can expect to see the cars of hundreds of people out (Continued on page 24)

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CIRCULATION THIS ISSUE	

COMMISSION MINUTES

Des Moines, February 6

The Commission met with Rep- existing lands. resentative Katherine Falvey, dur- Worth County received approval ing which time the Superintendent for the acquisition of one-half acre of Engineering reported on the pos- by \$10 per year lease to be known sible use of depressed area funds as Deer Creek Roadside Park. in the Monroe County small lake Monona County received approvproject. A committee of three al for the acquisition of 80 acres ways interesting . . . staff members was named to for- by gift to be known as Whiting mulate a working agreement Woods and provide camping and between the Conservation Com- picnicking. mission and County Conservation Boards.

Fish and Game

The 1963 fishing season regulations were approved.

Plans for a new service building at the Mount Ayr Fish Hatchery, Ringgold County, were approved.

The Commission authorized the charging of camping fees at Bays Branch, Guthrie County, and Lake

IOWA CONSERVATIONIST

County Conservation Activities

Lee County received approval for the acquisition by management agreement with the Highway Commission of the following areas: Donnelson Roadside Park, one acre; Montrose Roadside Park, two of Keokuk, one acre.

Long Memorial Park, a 15-acre Eve than that . . . gift for fishing and picnicking.

Hardin County also received approval for the acquisition of 70 acres at \$70 per acre, to be known as J. L. Reece Memorial Park use.

Polk County received approval for the acquisition of land for Weh-weh-neh-kee Park consisting of .21 acres for \$1 as an access to

The following development plans were approved: Appanoose County, Lelah Bradley Park; Humboldt County, Frank A. Gotch Park; Marshall County, Bangor Square Park; and Sioux County, Oak Grove residence remodeling.

General

The Superintendent of Public Relations reported on planning for out-of-state sports shows.

Travel was approved for the following: North American Wildlife Conference, March 4-6, Detroit, Michigan; District Game Managers and Unit Game Manaeries Ass'n, February 25-26, Dead-The Missouri River Coordinator ruary 19-20, Vicksburg, Mississippi.

PLANS FOR AN OUTDOOR SEASON Denny Rehder

"This year let's plan on seeing and doing more in our home state." Someone expressed this goal during a discussion yesterday abc the opportunities available for looking and doing around Iowa. Dur the course of the conversation, several ideas came up that might acres; and Roadside Park north included in your plans for the warm-weather months.

"... but I'd really like to take the time to get around to some Hardin County received approv- the parks this spring when the wild flowers are in bloom . . al for the acquisition of land for nothing can touch that spring goose flight; I'd rather miss New Ye

> "I'd just like to take more time for fishing. You know, et trout fishing in northeast Iowa . . . walleye fishing in the nate lakes . . . big bass in the artificial lakes . . . catfishing in the river oh, all kinds of river fishing . . .

"That's all fine, but I want to pack up the camp gear and and to be developed for multiple some of these newer areas . . . Pike's Peak has a new camp a and I never have taken that trail down to the sand cave with all different colored sands . . . Prairie Rose has opened up for camp this year, and I enjoy Backbone for almost any activity . . . Yel River Forest is going to be open this year for the camper . . .

"Speaking of Yellow River, I want to camp there and do se hiking and fishing . . . three thousand acres in that Paint Creek | alone . . .

"I've never taken a boat ride back into the wilds of Lake Odes I'd like to do that . . . and I'd like to take a boat trip on the Miss River and hike through some of those sand dunes near the oxbows "How about a Sunday drive to one of the prairie areas? That's

"Driving the Great River Road along the Mississippi River w Indicatio be a real education . . . watching some of the commercial fisher with fro work . . . seeing the barges moving up and downstream and thre us 7-91 the locks . . . get in on that good fishing over there."

Yes, there's a wealth of things to see and do in Iowa-relation of which we are a set of satisfying recreation that can't be beat. Come on out and join draws It'll be a great season, and the company is always welcome! H II-bla

lations from different types of monly yields a wriggling bottom are compared-rock, grav- weighing an ounce and made t ned by el, sand and mud. These main 20 or 30 species. Also common types result from the sorting ac- are the little fingernail clam that Va tion of the water, especially dur- "duck shells," whose pinheading floods. Rock bottom is found young are born fully formed. in the fastest water because all most striking creatures on moderic

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Odessa, Louisa County.

Authorization was given for the opening of certain lakes and rivers to promiscuous fishing if the oxygen content is low. Such openings would be at the discretion of the Director.

A request by the Highway Commission to dump fill material on area in the Smith Refuge, Pottawattamie County, was approved.

Lands and Waters

reported on a meeting with the Corps of Engineers concerning Missouri River Development.

A tree planting program on Lake Cornelia, Wright County was approved.

in Fremont County was approved. mink, muskrats, ducks, shore birds, creeping adult beetles. A broad, shells and kinds of mussel

ing.

appointed to make recommenda- tificial lures. tions concerning small lakes and Public Law No. 566 projects.

responsible party.

LIFE ON THE BOTTOM OF A STREAM David H. Thompson

Streams of all sizes have about Gravel bottom usually supports drop out one by one. At la the same kinds of bottom animals, more pounds of animal life per bottom is covered with I The Commission ordered the re- whether a brook small enough to acre than any other part of a but a waving mat of sludge moval of an obstruction in the be stepped across or the mile-wide stream. When a square foot of it like the thick pile on a r Cedar River near Waterloo by the Mississippi. The greatest differ- is dredged up, picked over care- the pollution is stopped, th

smaller materials are swept down- gravel bottom of creeks and r stream. As the current becomes are the large, thick-shelled slower the gravel, then the sand, sels from which pearl button and finally the mud, settle out.

A flat rock with water swirling gers to enter border states; Aquat- around it on the riffle of a clean like a sand area on land, oft ic Weed Control Society, February stream hides dozens of small aqua- an almost lifeless desert. Pel 12-13, Chicago, Illinois; Mississippi tic animals. If the rock is lifted, sand shifts about too frequ Flyway Council, April 3-5, Port crayfish and perhaps a small fish or, perhaps it provides little Clinton, Ohio; Great Plains Fish- are glimpsed as they scurry into and shelter for freshwater ani other hiding places. On its under- The slow addition of sed wood, South Dakota; Missouri side, flat-bodied mayfly nymphs makes mud bottom a rich u River Interagency Meeting, Feb- with tufts of gills on the sides water soil. Blood worms, tin skitter over the wet surface. Also, atives of earthworms, have here are slender stonefly nymphs tubes into which they retreat with two caudal filaments. Cad- midges that swarm at our will disfly larvae, which weave tiny at night come from mud-dw nets to catch their food, are seen younger stages. The heal A stream conceals a teeming and sometimes a strange species "cisco flies" that pile up world of bottom-dwelling animals that lives in a coiled tube made of street lights in river-front An option to purchase 313 acres that are the food supply for all sand grains glued together. Both come from the large I at a cost of \$48 an acre as an stream fish and a source of live air-breathing and gill-breathing nymphs that burrow in mud addition to Waubonsie State Park bait for catching them. Raccoons, snails may be present, as well as lusks are represented by

The Commission gave tentative turtles and frogs hunt here for rubberly leech, clinging with suck- snails not found in swifter approval to a proposal by the For- mussels, snails, crayfish and aqua- ers fore and aft, may be hovering Leeches squirm and dra est City-Mason City delegation to tic insects. These insects, after over a blob of bright yellow eggs. nymphs lumber over the ooz install a ski run at Pilot Knob passing their young stages on the A long slender leech glues brown tom.

State Park. The delegation agreed stream bottom, emerge as swarms seed-like egg cases to the rock. to present a complete development of flying adults devoured by doz- With luck, you may find a hell- polluted with sewage, most plan at the next Commission meet- ens of kinds of song birds. These, grammite, the big ferocious-look- bottom animals die. Ma too, are the insects that fly fish- ing young of the Dobson fly and a stoneflies and caddisflies are A staff committee of four was ermen imitate in making their ar- favorite bait for catching game sensitive and disappear first fish.

ences are found when the popu- fully, rinsed and strained, it com- mal life slowly comes back.

made.

The sand bottom of a sti

When a clean stream be more and more pollution,



Striped Skunk.

DWA MAMMALS Eddie Mustard Game Biologist STRIPED SKUNK

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ification Adults range in a 7-9 inch tail. Weights vary m 4-10 pounds. The distribun of white fur varies with inidual skunks and an occasionall-black animal is found. unks are about the size of ise cats and are easily recoged by everyone.

o commission e Throughout Iowa. tat Varied, may be found where but prefers a dry den y formel 3.

atures oduction A male may den up Range Throughout Iowa. eeks and h several females during pe- Habitat Prefers brushy areas away from dense timber or open d of winter sleep (not true ernation) and are promiscufields.

Habitat Prefers areas with water and trees, but may be found almost anywhere.

day gestation period. Typically their spring routines again. a hollow tree is used for the den All these signs of the return vember when they disband.

to keep this species in perpetual very least, last month. trouble. This animal, nocturnal crayfish, clams, frogs, fish, muskrats, birds, and insects to name but a few. They do not wash all food but may do so with some items to remove sand, grit, or secretions. Raccoons have a high degree of animal intelligence and rely on their wits to escape pursuers. They are fairly good swimmers and fight courageously when cornered.

because of its intelligence, much sport is derived from raccoon hunting with coon hounds. Its

CAMPING'S COMING! **Jack Kirstein**

In a few short weeks, the wood-Reproduction Raccoons are pro- land flowers will start to push up miscuous, with the boars (males) through the melting snow, the mimating with several sows (fe- grating geese will follow the sun males). Breeding occurs in Feb- up the western shores of Iowa's ruary-March with the 2-7, usu- River boundary, and the songbirds ally 4, kittens born after a 63- and little forest animals will start

site, but ground dens, caves, or of warmer days will set into moledges may be utilized. Young tion the spring fever that burns remain with mother into No- into the thoughts of the Iowa camper. Coming to us gradually, Habits The raccoon could, with but bursting with a sudden realsome justification, be called "Na- ization that spring is here, we find ture's juvenile delinquent"; be- that it is not only time to check on cause their like for corn in the the condition of our camping milk stage, chickens, and tip- equipment, but that we should ping over garbage cans seems have done it last fall or, at the

Now, before the camping fever by nature, is omnivorus and eats pushes us into putting off needed such items as acorns, various repairs in the heat of getting nuts, plums, cherries, grapes, packed to go, we should attend to

(Continued on page 21)

fur is very much sought after by trappers when ladies' fashions dictate that long furs shall be worn, thus increasing the market value of the pelts. The flesh is very palatable and is looked upon as a delicacy by some people. In the northern portion of their range, raccoons have a winter sleep, with occasional excursions from their dens on warm nights. Iowa has both a hunting and trapping season for raccoons.

Mephitis mephitis

vogue. Their fur is used primarily for jackets and trim. Iowa has an annual trapping season for skunks.

SPOTTED SKUNK (Civet Cat) Spilogale putorius

gth from 20-30 inches includ- Identification Often called the little cousin to the skunk, the spotted skunk is in reality more similar anatomically to the mink or long-tailed weasel. It is the smallest skunk and is black with white spots on head and several more or less broken Status An excellent game animal white stripes on the body. Males are 14-22 inches long with a 7.5-9 inch tail and weigh 1-3 pounds. Females are about 25 per cent smaller.

WHOPPIN' BIG BUCK BAGGED

Page 19

k-shelles ari butte ofai ril-May following a 63-day land, station period. Litter size lesert. iges from 4-7, with an average too free ides little ther until late summer or hwaters ly autumn. on of sel ts The aromatic scent throwa rich worms, L

ability of the skunk is ough to hold back most wouldenemies; however, skunks are favorite food item of great ned owls. The diet consists both plant and animal mat-; small rodents, grasshop-'s, beetles, grubs, cottontails, ttontails and chickens are en made available to skunks the form of carrion. Skunks essentially nocturnal aniis except during breeding son when they may be obved at anytime.

is The food habits of the able species to have around farm. As is true with most dlife species, however, exmely high populations are not urable because in skunks high Julations are often associated h a high incidence of rabies. of sludge e value of skunk pelts varies ording to the dictates of stopped, be thion and they can be quite omes back luable when long furs are in Range Throughout Iowa.

with an average of 4.

striped skunk. The spotted ence.

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son in Iowa.

RACCOON

Procyon lotor

coon.

Eldie W. Mustard Game Biologist

". . . it sure was the biggest 3 breeders. Young are born in Reproduction Gestation period is thrill I ever had, for it sure was unknown, but young are born in some deer . . ." With these words spring. Litters range from 2-6. Dean Coffman described his feelings at having bagged a 440-pound

about 5. Young remain with Habits A nocturnal creature, the whitetail buck. All who have purspotted skunk is also a good sued the wily whitetail will agree, climber. They are active in win- even though vicariously, that it ter, which is different from the must have been quite an experi-

skunk is omnivorous, but seem- The monstrous buck was taken ingly prefers insects. Other food on the Coffman farm near Blencoe, includes rodents, fruit, birds, Iowa, in Monona County during eggs, carrion, oats, acorns, apple the 1962 gun season. Bill Welker, seeds, corn, grass and wheat. Biologist with the State Conser-They are efficient mousers and vation Commission, checked the deer and reported the 12-point cken, eggs, corn and oats. Status Beneficial to farmers be- (6 right x 6 left) buck was 4.5 cause of its rodent and insect years old. The weight of the deer eating habits. Pelts are used was taken at the Blencoe Co-opprimarily for jackets and trim. erative Company at Blencoe and, There is an annual trapping sea- according to Welker, this was verified by two witnesses.

To our knowledge, this is the largest deer ever taken in Iowa. However, before we start claimlength from 32-34 inches includ- whitetails, a very quick search of ing tail of about 10.5 inches. the literature disclosed two larger Weights of adults range from deer from Wisconsin: a 491- and 12-18 pounds with a few very 481-pounder (Otis S. Bersing, 1956. fat ones exceeding 25 pounds. A CENTURY OF WISCONSIN SOTA.)



A comparison of the sizes between Coffman, the hunter, and the 400-pound buck.

Even though this tremendous ink make it a generally de- Identification Adults vary in ing national records for large Iowa deer is not a national record, it is still a fine example of a whitetail and is a virtual giant among deer in a state where 250-pound deer are common.

> Our congratulations are extended Males are larger than females. DEER). Top honors seem to go to to Coffman on his bagging of an The black facial mask, and the a Minnesota deer that tipped the outstanding example of Iowa's fin-5-7 conspicuous black rings and scales at 511 pounds (Arnold Er- est game species, the whitetail black-tipped tail identify the rac- ickson, et al. 1961. THE WHITE- deer. We're anxious to take him TAILED DEER OF MINNE- up on his offer to visit him and see his trophy.

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PATTERN FOR A SEASON

How Many Have You Seen? Carol Buckmann

Spring is almost here and in the woodlands this not only means a new outlook weatherwise but a new season in outdoor fun—the flower-finding season. Knowing and identifying woodland flowers lasts through spring, summer, and fall as new varieties unfold.

All you need for this intriguing pleasure is a flower guide and possibly a camera. As a suggestion, take this article with you and check off the woodland flowers as you find them.

EARLY SPRING, after mid-March

-Dwarf Trillium: With three petals, three sepals and three leaves, these white flowers are found on southern exposures of woodland hillsides where the snow melts first. The early spring flowers peer above the ground as soon as the snow melts in March.
-Hepatica or "Liverwort": Light blue or pink-white flowers with liver-shaped, threelobed leaves bearing hairy stems. Often found in brown leaves and debris of the woodland floor.
-Bloodroot: Reddish-orange juice in the stems and roots that "bleed" when broken. The base leaves are wrapped around the flower and spear through the woodland floor before unwrapping the white, single flower.

SPRING, around May 1

....Rue Anemone or "wind flower": A delicate, slender buttercup with white flower clusters. Leaves are divided into rounded, three-lobed leaflets.

> Dog-tooth Violet: A member of the lily family with little or no stem. Found in moist woods and meadows, creek bottoms and along rivers. The narrow, pointed leaves, mottled with brown, seem to spring from the earth. White, single bloom.

> Pepperroot or "crowfoot": The fleshy rhizomes of this plant have a pungent taste. Its basal leaves are deeply lobed and the broad clusters of flowers are purple.

Violets: Found in cool, shaded areas everywhere. These robust little plants have deep violet petals, whitish at the base and heart-shaped, deep green leaves.

Prairie Wakerobin: A trillium with characteristic three petals, three sepals and three leaves. From the center of the leaves arises a single flower.
Dutchman's Breeches: Fragrant, drooping flowers on a tuft of fern-like foliage resembling "breeches" on a slender clothesline.

Bluebells or "Virginia cowslip": Blue petals are on a stout stem. Flowers are drooping and trumpet-like.



Shadbush.

and thriving in woodlands in LATE SPRING, around May

.... Wood Anemone: The smal anemone. The slender stem ITERN-

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Indian Pr plant with surroundif plus the resemble in red pair Jack-in-the reods fave the center pulpit-like mer the revealing Also kno

Woodland William": howers in Waves an with down

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...Shad Bush: Found along high ... clay banks, fronts of hillsides, streams and cliffs. A flowering bush with white, incandescent flowers coming before the leaves and after hepatica. ...

~

SPRING, around May 10

.....Wild Plum: Comes just after red bud, along brushy fence rows and semi-exposed woodlands. This brushy plant has white blossoms.Spring Beauty: Low-growing ing, colorful flower clusters are pale, rose pink veined with deeper pink.

the bright sunlight. Narrow,

grass-like leaves and branch-

Yellow Violet: The outer petals are bearded. Heart-shaped leaves and long stems are hairy. Yellow flowers are veined with purple. a trio of long stemmed lea with three to five weck shaped leaflets. It bears single, white flower.

- .Shooting Star: Nodding fl ers with pistils and stam together in a spear-like with back-turning, pink als. Found along river ba and open woods.
- ...Red Bud: Bright purple b soms on a leafless stem pearing before the leaves unfolded. Blooms about a w or two after shad bush.
-Wild Crab: The pinkish, icate flowers appear with plum.
- ...Hawthorn: A spreadi thorny bush with white t soms appearing on hillsi open areas and at edges timbered areas.
- ... Wild Cherry: Flowers ar clusters of white blooms large flowering tree w smooth bark appearing in ber.
- Other outstanding flowe trees are wahoo, bladde and locust.
- . Yellow Lady's Slipper, Sh Lady's Slipper and Showy chis are members of the chid family found in Iowa rarely. To see any of t (Continued on page 21)

Wild Ginger.





TERN-

(Continued from page 20)

beauties is a real treat. Found only in very deep forests.

Indian Paint Brush: A hairy . plant with pale green calyx surrounding the corolla. This plus the scarlet floral leaves resemble paint brushes dipped in red paint.

Jack-in-the-pulpit: A deep woods favorite with flowers in the center of a pale green pulpit-like spathe. In the summer the spathe withers away revealing bright red berries. Also known as "Indian turnip" because of the edible, underground bulb or corm.

Woodland Phlox or "Sweet William": The bluish-lavender flowers are clustered. The leaves and stems are covered with down.

May Apple: An umbrella-like leaf protects the single, waxwhite blossom emerging at the leaf fork. They are often in colonies almost anywhere in the woods. The "apple" is a large, yellow berry.

Green Dragon: A close relative to Jack-in-the-pulpit, these are found in low, moist ground. The inconspicuous flowers are clustered and hidden from view. The flowers become reddish-orange in the fall.

Bellwort: Found in rich woods and thickets, it has ovalpointed leaves and drooping bell-shaped, yellow flowers.

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....Wild Strawberry, blackberry and raspberry: These tasty varieties are especially popular when the fruits develop.

- .Wild Ginger: The soft, heartshaped leaves have long stems from the plant base. The maroon flowers are hidden beneath the leaf.
- ... Wood Sorrel or "Wood Shamrock": A creeping plant with basal compound leaves and delicately tinted flowers with oblong, notched petals. Prefers damp, mossy banks.
- .Wild Rose: Our pinkish-white state flower is found in fields, woodlands, roadsides and outof-the-way places May 30.

MID-SUMMER, July

.Turks Cap Lily: Few flowers are so delicately and strikingly colored as this lily. The orange colored flowers have brown "tiger spots."

Black-eyed Susan or "Woodland Sunflower": Rough, hairy stems and leaves support showy flowerheads. The yellow ray flowers surround the dark-brown center.

FALL, beginning August

- ground all over Iowa, the more. flowers are indigo.
-Jewel Weed: The translucent pers.



Dutchman's Breeches.

woods and are white with scales instead of leaves. Boneset: This stout, hairy

stemmed plant grows to five feet. Many small, white flower heads are compactly grouped into a flat-topped cluster.

These are some of the most common Iowa woodland flowers but .Great Lobelia: Found in low perhaps you can identify many patching tent screens, replacing

There's one rule to the game, are given added emphasis because leave them be and save their of the shortage of time left in which to do these things. beauty for future generations. flowers resemble lady's slip-Any torn or threadbare cloth Wild flowers display their true beauty only in their natural sur- items should be checked for pos-Indian Pipe and Broom Rape: roundings. Many can stand pick- sible repair. All canvas should be These saprophytes live off de- ing but careless flower seekers all stretched out on the floor of a gacaying vegetation. They are but destroyed many of our most rage or basement, and checked for found in the seclusion of thick beautiful varieties. (Continued on page 23)

CAMPING-

(Continued from page 19)

the painting, repairing, or replacing of worn items in our camping closet.

The rules we should have followed last fall, about cleaning our sleeping bags, repairing zippers, ragged tent ropes, and many more,

Page 21

Buttercups: Found in moist, damp places along river bottoms with waxy, yellow flowers.

Nodding Trillium: A later spring trillium, it blooms in late May in ravines and wooded slopes where the soil is rich in humus. A much larger and taller variety than the dwarf trillium.

Columbine: Bright, scarletcolored flowers found on rocky slopes and shady edges of woods. Petals form five tubes ending in red spurs with nectar within.

False Solomon Seal: Found along woodland slopes and moist bluffs, it has a cluster of small, white flowers each with six spreading oblong segments. These become a mass of red berries in the fall.

Hairy Solomon Seal: The drooping flowers are underneath the stem. These incon-^{spicuous,} greenish flowers hang n pairs growing with trillium and bellwort.

Wild Geranium: Frail looking out sturdy plants with pale 6:00 A.M. and meadows.

IOWA 1963 FISHING REGULATIONS

INLAND WATERS OF THE STATE Kind of Fish	Open Season	Daily Catch Limit	Possession Limit	Minimum Length or Weight	BOUNDARY WATERS Mississippi and Missouri Rivers and Inland Waters of Lee County
Rock Sturgeon	Closed				Closed
Paddlefish	Continuous	2	4	5 lbs.	Same as inland waters except no catch or possession limit on Mississippi River
Perch, Crappie, Silver Bass	Continuous	15	30	None	Same as inland waters except no catch or possession limit
Trout	Continuous	6	12	None	Same as inland waters
Catfish	Continuous	8	16	None	Continuous open season, no catch or possession limit
Smallmouth Bass	May 25-Feb. 15	5	10	None	Same as inland waters except contin- uous open season
Largemouth Bass	Continuous	5	1.0	None	Same as inland waters
Walleye and Sauger	May 11-Feb. 15 N. of Hwy 30 Continuous S. of Hwy 30	Combined Walleye & Sauger 5	Combined Walleye & Sauger 10	None	Continuous open season. Daily catch 10, possession 20 in aggregate
Muskellunge	Closed				Closed
Northern Pike (Pickerel)	May 11-Feb. 15	3	6	None	Continuous open season. Daily catch 5, possession 10.
Frogs (except bullfrogs)	May 11-Nov. 30	4 doz.	8 doz.	None	Same as inland waters
Bullfrogs (Rana Catesbeiana)	May 11-Nov. 30	1 doz.	1 doz.	None	Same as inland waters

Where waters are located within the confines of state, city, municipal parks, etc., fishing will be permitted only when such areas are open to the public.

EXCEPTIONS: On all state-owned natural lakes, all angling through ice is prohibited between the hours of 6:00 P.M. and

In Little Spirit, Dickinson County; Iowa and Tuttle (Okamanpedan) Lakes, Emmet County; Burt (Swag) Lake, Kossuth Durple flowers appearing the County; and Iowa Lake, Osceola County, the following exceptions apply: WALLEYE, daily catch limit 6, possession limit 6; ast week of May. With deep- NORTHERN PIKE, daily catch limit 3, possession limit 3; SUNFISH, daily catch limit 15, possession limit 30; CATFISH, open y lobed leaves and hairy MOUTH BLACK BASS, open season, Saturday preceding May 30, catch limit 16, possession limit 16; SMALLMOUTH and LARGE-MOUTH BLACK BASS, open season, Saturday preceding May 30, catch limit 5, possession limit 5; BULLHEADS, CARP, stems it appears in rich woods SUCKERS, REDHORSE, BUFFALO, BURBOT, DOGFISH, GARFISH, QUILLBACK, SHEEPHEAD, no closed season, no daily catch possession or size limits. The possession limit shall not exceed thirty (30) fish of all kinds in the aggregate except that the aggregate possession limit shall not apply to fish named on which there is no daily catch limit,

LATE WINTER TROUT FISHING

Bill Tate Assistant Supt. of Fisheries

The year-around trout season allows the Iowa fisherman a sport that can be enjoyed in very few places around the world, winter trout fishing. Early winter trout fishing is similar to other forms of ice fishing, since most trout water is ice covered during the coldest part of the winter. Trout are cold blooded animals and tend to assume a body temperature the same as the water they live in. Under ice cover their food and oxygen requirements are at a minimum and activity is greatly reduced. As the water temperature rises in later winter, the food requirements of the trout increase, they become more active and are easier to catch. A rising temperature gradient, produced by two or more days of moderating weather, increases trout activity and may result in excellent fishing.

Trout that are still around to answer roll call in late winter are wary and have become acclimated to their surroundings. Their food at this time of year is limited to a relatively few types and the water is usually very clear, which



Those hardy late winter trout fishermen usually bring home some real "braggin'-sized fish."

makes catching them a challenge. downstream by the current. Clumps riods, dusk to early darkness and Early spring surveys with elec- of watercress can be pulled from dawn to early daylight. The key tric shockers have indicated that the water to sample the insects to success for catching these large good populations of trout over- and small crustacea that are pres- fish is to be fishing at the time as well as around the nation of the states winter in our better trout streams. ent. Drifts of sticks, leaves or they are active! Most any bait or a place to hunt, brings to m These carry-over fish are predom- other organic debris can be exam- lure will take these large fish if it the fisherman and his quest fo inately brown trout and average ined for goose worms (larvae of is presented properly. Live baits place to fish. To most Iowa fish a former over a foot in length. The larger the crane flies) or other aquatic that are effective are minnows, men, this affords no real proble and proble brown trout tend to be stay-at- insect larvae that live in this type frogs, crayfish, night crawlers, homes. One lunker was taken of habitat. These food items may salamanders or most any other under the same rock ledge on five be used as natural bait or artificial small creatures that walk, swim, successive fall and early spring baits which resemble them may be crawl or fly. Artificial lures of every description have caught marked fins.) The smaller fish Small insect larvae or nymphs, large brown trout. Several baits tend to concentrate in or near the less than one-fourth inch in length, and lures should be tried in an area best food producing areas such as will catch trout if they are used where a large trout may hide or rocky riffles and beds of watercress on small hooks (sizes 16-20) tied prowl. on light leaders or very fine mono- As you fish along the stream, A knowledge of trout feeding filament line. Baits or their imi- try to discover where the trout habits will help to bag these wary tations found in riffle areas should tend to be in each pool. They may carry-over trout, which may be be drifted through riffles into the be concentrated in or near the riffle very selective when feeding. Some pool below many times before mov- at the head of a pool, in deep wafish may feed exclusively on the ing to another area. Most feeding ter or at the lip of a pool just immature form of one species of trout will normally move a very above a riffle. If you find this is insect, or, confine their feeding to short distance for an article of the case, fish only the productive fresh water shrimp. Since there food. They have their meal served water and you will not waste time advantage of some of our population are only two or three species of by the current and take preferred fishing where there are no fish. stone flies and a group of very food items that drift to them in a Late winter trout fishing is not small, dark grey or black flies relatively narrow feeding lane. as productive as spring fishing, but called midges that occur as adults Natural baits that are normally you will take fish. They will be in late winter, dry flies that imi- dislodged from riffles and artificial beautifully colored, delicious when the fishing access areas mainta tate them are the only ones that baits that imitate them should be served, and may be caught again, by the Conservation Commiss will regularly take fish at this time fished with a natural drift and countless times, in the office or Some of these areas are S of year. The larvae and naiads of without sinker or weight for best den. Trout caught in late winter Parks, but the majority consis aquatic insects and fresh water results. Minnows or other live bait are "braggin' fish".

A PLACE TO FISH

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The increasing concern in Io

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surveys. (He was identified by used effectively. or other vegetation.

shrimp are the preferred diet for should be allowed to move freely most trout. Wet flies or nymphs for best results. Streamer flies and that resemble these immature in- other artificials that are designed sects or fresh water shrimp are to imitate these natural baits she eats. By driving her three inch folder can be obtained from the most effective lures for the fly should be given the action charac- bill into the mud, her highly sen- Conservation Commission in fisherman.

Time spent in exploring trout habitat and sampling food items Larger brown trout tend to be

represent.

will pay dividends in fishing suc- non-selective in their feeding and cess. A fine mesh net, submerged prey voraciously on most foods dwelling insects as they are swept ity usually restricted to two pe- ern parts of both Asia and Europe. lot of Iowa fishermen to use t

teristic of the natural bait they sitive tip feels earthworms upon Moines. Some areas may be which she feeds.

The lynx, which inhabits much downstream from rocks as they that are available. They become of the northern United States and are overturned, will catch the riffle- diurnal in habit, with their activ- Canada is also found in the north- fish in Iowa, but there are al

Consider the vast network rivers and streams in the sta with every bridge crossing u as a fishing access unless prol ited. Consider too, the miles river shoreline maintained parks by most of our larger tov sook and cities. Then remember t farmer friend with the pond t offered such good bass fishing spring, the State Park lake a miles from town, and the fish access just down the road that County Conservation Board pu last sumer.

If you use a boat, you can t natural lakes. Their shoreline cess is cramped to be sure, most have public launching ran

Not so well known perhaps a few acres along a river or 1 Some two hundred of these a are listed in a folder available The woodcock never sees what public fishing access areas. more than a small piece of with no development, while ot may have picnic tables, restro and even allow camping.

Yes, there are a lot of place

eacher Goes To School

Carol Buckmann very summer since 1950, teach-

of all ages have been earning e or six hours graduate or ungraduate credits at the Teach-

Conservation Camp held at ringbrook State Park near hrie Center.

his outdoor school is open to thers and students planning to h after graduation. It is spond by the State Conservation imission, State College of Iowa, the State Department of Pub-Instruction.

long with the credit. Teachers' ip graduates gain a lasting apciation of nature and learn 's to develop these attitudes heir students. Credit from the courses offered are acceptable natural science requirements apply toward certification.

his remarkable outdoor classn offers three hours for one e-week session or six credits two three-week sessions. This r, the first session, Biology 104, rom June 9 to June 29 and sses forest resources, ecology fish and wildlife management. second, Biology 105, runs from e 30 to July 20 and deals in is and minerals, soil and land agement and water conserva-The third runs from July 21 August 10 and is a repeat of first session.

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he 640 acre park has timbered conservation story into the classroom. 3, sparkling lake, nearby prairie, naturally well-equipped class- send teachers.



The collection and construction of teaching aids can help the school teacher carry the it now before it has to wait for

I flowers, birds and wildlife; to which women's clubs would granted by the State Board of Education for the camp to begin you experience last year? Maybe n to conduct outdoor studies May of 1948, Mrs. Parker pre- with two identical sessions of you got caught in a downpour and ght by experts trained in the sented a report on conservation three weeks. Interested teachers education movement in Tennessee, who received camp brochures or eachers live in the group camp The Commission then suggested a noticed articles on camp in newsnever have any KP duty. All movement along this line for Iowa papers and magazines, submitted meals are cooked at camp by and the Superintendent of the De- letters. June 4, 1950, the camp f cooks. The recreational fa- partment of Public Instruction was formally opened with 25 teachers. Now, 14 years later, the camp mming, hiking and various During a 1948 Commission meet- has facilities to adequately take ets available for enjoyment dur- ing, it was decided the Commission care of 50 teachers each session. would furnish facilities needed for During one three week session, ong before the camp began, the a group camp for one week teacher teachers travel approximately 1,000 ple of Iowa were alerted to the training. To help coordinate an miles to various areas for a view 1 for conservation through the education program, in 1949, an of conservation in action. A bus coons of J. N. "Ding" Darling, Education Assistant was appointed takes students within fairly short torial Staff of the Des Moines and he began visiting science de- walking distance of points of inister. While Chief of the U.S. partments of colleges and univer- terest.

CAMPING-

(Continued from page 21)

either mold or mildew. This is a good time to give the tent or dining fly a new coat of waterproofing. Most sporting goods stores or tent and awning companies can supply waterproofing by the gallon so that you can do the job vourself if you are so inclined.

Stoves, lanterns, coolers, and other metal pieces of equipment should be checked for rust, need of paint, worn pump leathers, bent or broken parts, and given a thorough cleaning to make them ready for summer.

One often overlooked item is the addition of better quality tent rope stakes, or the repair of damaged wood or metal stakes. In the rush of breaking camp, many times tent stakes are left behind. Are you sure your tent stakes were packed the last time you took down your tent?

This is also a good time to attend to details such as installing new ropes or grommets in canvas road covers for trailers or cartop carriers. The roof mounts of cartop carriers should also be checked. If you've changed cars since last using them, you can take this time to adjust them to fit the new car.

Is there a new item that you planned to build, such as a kitchen pantry, portable table, or other added convenience? Better make another camping season in 1964.

What other inconveniences did

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of conservation.

ies of the park include fishing, contacted. leisure hours.

ion-wide conservation was im- education promotion, Sible unless education became His trips proved there was inter- ates or \$112.50 for graduates. gram.

re concerned with the economic in establishing the camp. lation.

^h Mrs. Parker who at first demic requirements. ited a short workshop session

important part of the school est but little coordinated activity. To facilitate attendance, sports-

results of wasted natural re- feasibility of a head being estab- local teachers.

ion programs, was brought up the head and interest ran high contact your local Soil Conserva- tiful and enjoyable. They provide sistently. But this was during concerning a camp. State College tion Service Office, sportsmen's more elbow room due to the lack depression and many were of Iowa faculty played a large part clubs, conservation officer or by of camping pressure.

ommissioner Mrs. Addison Commission furnish the group of Iowa, Cedar Falls, Iowa. Or the difference between frustrations 'ker, worked with Ding through camp at Springbrook, resource per- write the Public Relations Sec- later and the chance to feel as Conservation Commission as a sonnel and education assistant tion, State Conservation Commis- free and happy as the songbirds sader for conservation educa- while S.C.I. furnish staff, equip- sion, East 7th and Court, Des as you perhaps follow the migrat-1. The idea of a camp began ment, arrange accrediting and aca- Moines, Iowa, for scholarship in- ing geese north and enjoy the December 14, 1949, approval was information.

session is \$106.50 for undergradu-

It had been suggested by Darling men groups, Soil Conservation ing in some of the more primitive ountless meetings were held to to have a Chair of Conservation Service offices, garden clubs and areas provided by the State Conuse interest in conservation. established at a state college. The other groups throughout the state servation Commission, now would idea of a program for educa- Commission contacted the State have been donating scholarships be the time to plan for purchase to teach children in schools College of Iowa regarding the varying between \$15 and \$70 to of additional water containers and

rces and benefits from conser- lished there. The College served as For information on scholarships These areas are exceptionally beau-

vowed that next time you would bring along a tarp or large sheet of heavy gauge plastic for a cover. If so, plan for it now and be ready. Perhaps there were other ideas that seemed good last year that haven't been remembered.

The simple job of packing camping equipment into the car may be complicated if you did change cars this winter. Why not take a few hours now to try packing? If you find that additional space is need, it will be easier to find a cartop carrier, trailer, or other spacemaker now than on a Saturday logical Survey, he stressed that sities getting ideas on conservation The total cost of one three-week night this spring when all the stores are closed and the family is raring to go.

> If you've often thought of campsome kind of sanitary facility.

writing Chuck Haman, Director, In short, a little attention to re-It was agreed the Conservation Conservation Camp, State College pairs and planning now can mean formation, reservations or further beauty of the blossoming spring flowers.



The geese are a beautiful sight when you see them landing nearly on your head.

to enjoy the flight. On the lake you will see what looks like a large ice-floe made up of snow geese resting on the water. They are being joined constantly by others, some sideslipping from great altitudes to land in the flock.

At the same time you will notice the ducks, buzzing around like vention of soil erosion. When we midgets among their larger cousins. Pintails flying in formation, mallards dabbling along the shore, coot swimming right in front of the main observation point competing with the other birds for atten- ing, erosion control dams, grassed tion.

A Close-up View

If you are not satisfied to watch from a distance, you might want to work in closer to the geese. One group last year did this. We donned hip boots and started wading through the marshy shoreline heading for the north side of the lake. Peering through the rushes ahead, we were able to watch the mallards and other puddle ducks dabbling along the shallow bottom. A small flock of white-fronts appeared in a little inlet. White-fronts and Canadas usually keep to themselves off to one side of the main flock of blues and snows. Mergansers were seen working the shoreline, and a flight of old squaws, classified as rare migrants for Iowa, winged at eye level over the water.

They were landing so close to us that it seemed they were about land in our midst. It was a thrill that dominated our conversati much of that day.

The noise cannot be described-the sound was muted by the voic of thousands of geese near and far. It increased in intensity as the geese directly in front of us spooked suddenly, lifting from the wal and circling back toward the main body.

Sometime later, after our group had been waiting a few feet fre the water, the whole flock started to drift down in front of c hiding place. Ducks continued to dabble the shoreline less than t feet away and the geese moved within twenty feet of shore.

The day ended for us right then as once again they spooked, lift from the water, and circled over the east end of the lake.

As they circled the bright sun caught for a moment the ba attraction of this whole spring flight. There, with the loess bluffs cime 22 the southwest for a backdrop, was a solid wall of geese stacked fr the water high into the sky, the sun sparkling on their white feature

Our group headed for the car-the day had been complete.

The thrills of the spring goose flight are many-the ducks perfor ing their acrobatics, the beauty of the snow geese, the regal nati of the huge Canadas, and most of all, the sheer numbers of bi to be seen.

Small wonder many people journey to the southwest every year this magnificent wildlife spectacle. It's guaranteed to dominate y conversation for some time afterward.

SOIL CONSERVATION AND FORESTRY

Bill Farris District Forester

Soil conservation work centers around either the control of or prethink of soil conservation work, we think of terracing, contour farmwaterways and so on. Trees are also of value in the control of or prevention of soil erosion.

The amount of soil loss depends upon the type of land use. A field of corn will have more soil loss than a field of oats. An oat field will have more loss than a pasture thus delaying or slowing r off.

- 3. The tree roots make poss the loosening of the soil increases its water storage pacity.
- 4. The tree roots assist in h ing the soil in place.

The benefits received from use of forests as a crop must compared to the alternative 1 of the land. In making this c parison of benefits, such values recreation, wildlife developm and soil and water conserva must be taken into consideratio A forest crop may be the alternative on areas: (1) wh Soils are classified in Iowa in land has steep topography; through lack of native fertility The class V through VIII land is impoverishment through mi

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NUMBER OF STREET

As we proceeded through the head-high rushes, a few ducks rose from the water or drifted out toward the center of the lake. However, most of the waterfowl seemed unconcerned over our presence. This afforded an excellent opportunity to learn some duck identification. The ducks were easily spotted with binoculars on the water, and when they took flight they offered a good study for the man uncertain about his different species.

When we reached the dry land on the north side, we started crawling toward the water's edge and the large concentration of blues and snows just out from shore.

A Thrilling Sight

It was about noon, and everyone in the area was about to be treated to one of the day's most thrilling displays. The tempo of the chatter among the geese seemed to increase and, upon looking skyward, one could see long lines of geese coming into the area.

But, when you looked at the sky through binoculars you could see not only low-flying flocks, but lines of geese stacked higher and higher, all heading toward Forneys. From the south they came as far as you could see-likewise, from the north. An unearthly din filled the air as the ground observer saw the sky black with geese. As they reached the lake, they started spiraling down forming a funnel leading from the flock on the water high into the air. The geese would start circling and sideslipping round and round dropping swiftly to the water.

As the geese piled into the concentration on the lake, they spread toward the north shoreline. At this time our group was about fifty yards from the water. Crawling on our stomachs still closer, we were able to watch the geese landing closer and closer to us. They finally were so close we could see their tongues as they came down, necks stretched, wings thrown back, and coral legs dangling to touch the water.

and so on.

relation to their productivity and where the soil is easily ere erosion hazard. A number of other when the surface is disturbed, factors are considered but these the area not suited for a for two are of primary importance. crop; (3) where, through incor Soil classifications run from Soil cropping methods in the past, Capability Class I through Class soil is gullied to such an ex-VIII. The Class I through IV land as to make ordinary cropping is generally suited for cultivation cedure not feasible; (4) wh and other uses.

limited in use and is not gener- the soil is unproductive; (5) w ally suited for cultivation. When game, recreational or water: we check the class VII and VIII values outweigh the crop pro land we find areas where forest tive value of the soil. and wildlife cover is usually recommended.

problem of land use, particularly present program of the Fed on land not fitted for intensive Government to retire from a agricultural use. Through coordi- cultural production extensive a nation with other primary land of this type. uses such as agricultural cropping Many farms in all parts of and grazing, a sound forestry pro- state have small areas not su gram can be set up. Existing tim- for cropping, which, if misr berlands and planted areas form aged, may not only result in a a valuable part of the soil conser- from the production standp vation picture in Iowa. These val- but also may actually becon ues might be summarized as fol- menace to adjoining areas of lows:

- get the first impact of the adjustment of grazing and (rainfall.
- is absorptive and assists in accomplished by working cle percolation, about every inch with the Soil Conservation Se of duff in the forest will hold and the District Foresters of one-fourth inch of rainfall, State Conservation Commissio

The conversion of some of submarginal land into forest c Forestry is closely related to the would be in keeping with

land. A sound forestry prog 1. The branches, twigs and leaves can be worked out along with ping methods on the indivi 2. The layer of duff on the soil farms of the state. This can

bna